IN THE CLAIMS:

1. (Previously Presented) A substantially purified nucleic acid molecule comprising the nucleotide sequence of SEQ ID NO: 11 or the complement thereof.

2. (Original) The substantially purified nucleic acid molecule of claim 1, wherein said nucleic acid molecule encodes a wheat protein or fragment of a wheat protein.

3. (Cancelled)

4. (Previously Presented) A substantially purified nucleic acid molecule comprising a nucleic acid sequence, wherein said nucleotide sequence shares between 90% and 100% sequence identity with the entire length of SEQ ID NO: 11 or the complement thereof.

5. (Cancelled).

6. (Previously Presented) A substantially purified nucleic acid molecule comprising a fragment from about 50 to about 100 nucleotide residues, wherein said fragment exhibits complete complementarity to SEQ ID NO: 11 or the complement thereof.

7. (Original) The substantially purified nucleic acid molecule of claim 6, where said nucleic acid molecule consists of said fragment.

8. (Original) The substantially purified nucleic acid molecule of claim 6, wherein said substantially purified nucleic acid molecule further comprises a region having a single nucleotide polymorphism.

9. (Previously Presented) The substantially purified nucleic acid molecule of claim 4, wherein said nucleotide sequence shares between 95% and 100% sequence identity with the entire length of SEQ ID NO: 11 or the complete complement thereof.

10. (Previously Presented) The substantially purified nucleic acid molecule of claim 9, wherein said nucleotide sequence shares between 98% and 100% sequence identity with the entire length of SEQ ID NO: 11 or the complete complement thereof.

11. (Previously Presented) The substantially purified nucleic acid molecule of claim 10, wherein said nucleotide sequence shares between 99% and 100% sequence identity with the entire length of SEQ ID NO: 11 or the complete complement thereof.

12. (Previously Presented) The substantially purified nucleic acid molecule of claim 11, wherein said nucleotide sequence shares 100% sequence identity with the entire length of SEQ ID NO: 11 or the complete complement thereof.

13. (Cancelled)

14. (New) The substantially purified nucleic acid molecule of claim 1, wherein said nucleic acid molecule encodes a protein or fragment of a protein having greater than 30 amino acids.